



United States of America  
**FEDERAL COMMUNICATIONS COMMISSION**  
**AM BROADCAST STATION LICENSE**

Authorizing Official:

Official Mailing Address:

ALPHA MEDIA LICENSEE LLC  
1211 SW 5TH AVENUE  
SUITE 750  
PORTLAND OR 97204

Son Nguyen  
Supervisory Engineer  
Audio Division  
Media Bureau

Facility Id: 52674

Call Sign: KXRO

Grant Date: June 23, 2014

This license expires 3:00 a.m.  
local time, February 01, 2022.

License File Number: BMML-20140429AVI

Re-licensing pursuant to the method of moment rules and correction of  
antenna site coordinates.

Subject to the provisions of the Communications Act of 1934, subsequent  
acts and treaties, and all regulations heretofore or hereafter made by  
this Commission, and further subject to the conditions set forth in this  
license, the licensee is hereby authorized to use and operate the radio  
transmitting apparatus herein described.

This license is issued on the licensee's representation that the  
statements contained in licensee's application are true and that the  
undertakings therein contained so far as they are consistent herewith,  
will be carried out in good faith. The licensee shall, during the term of  
this license, render such broadcasting service as will serve the public  
interest, convenience, or necessity to the full extent of the privileges  
herein conferred.

This license shall not vest in the licensee any right to operate the  
station nor any right in the use of the frequency designated in the  
license beyond the term hereof, nor in any other manner than authorized  
herein. Neither the license nor the right granted hereunder shall be  
assigned or otherwise transferred in violation of the Communications Act  
of 1934. This license is subject to the right of use or control by the  
Government of the United States conferred by Section 606 of the  
Communications Act of 1934.

Hours of Operation: Unlimited

Average hours of sunrise and sunset:  
Local Standard Time (Non-Advanced)

Jan.	8:00 AM	4:45 PM	Jul.	4:30 AM	8:00 PM
Feb.	7:15 AM	5:45 PM	Aug.	5:15 AM	7:30 PM
Mar.	6:30 AM	6:15 PM	Sep.	5:45 AM	6:30 PM
Apr.	5:30 AM	7:00 PM	Oct.	6:30 AM	5:30 PM
May	4:45 AM	7:45 PM	Nov.	7:15 AM	4:45 PM
Jun.	4:15 AM	8:15 PM	Dec.	8:00 AM	4:30 PM

Name of Licensee: ALPHA MEDIA LICENSEE LLC

Station Location: ABERDEEN, WA

Frequency (kHz): 1320

Station Class: B

Antenna Coordinates:

Day

Latitude: N 46 Deg 57 Min 27 Sec

Longitude: W 123 Deg 48 Min 34 Sec

Night

Latitude: N 46 Deg 57 Min 27 Sec

Longitude: W 123 Deg 48 Min 34 Sec

Transmitter(s): Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.

Nominal Power (kW): Day: 5.0 Night: 1.0

Antenna Input Power (kW): Day: 5.0 Night: 1.08

Antenna Mode: Day: ND Night: DA

(DA=Directional Antenna, ND=Non-directional Antenna; CH=Critical Hours)

Current (amperes): Day: 9.21 Night: 4.65

Resistance (ohms): Day: 59 Night: 50

Non-Directional Antenna: Day

Radiator Height: 61.2 meters; 97 deg

Theoretical Efficiency: 310.6 mV/m/kw at 1km

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1032335	

Night:

Tower No.	ASRN	Overall Height (m)
1	1032335	
2	1032336	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Night: 289.68  
 Standard RMS (mV/m/km):  
 Augmented RMS (mV/m/km): Night: 307.947  
 Q Factor: Night: 10

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	0.000	0.0000	0.000	0	97.0
2	0.7800	0.000	257.0000	166.600	0	97.0

\* Tower Reference Switch

0 = Spacing and orientation from reference tower  
 1 = Spacing and orientation from previous tower

Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
1	16.0	12.0	207.64
2	24.0	16.0	135.99
3	80.0	10.0	528.67
4	86.5	13.0	504.22
5	93.0	13.0	446.59
6	107.5	29.0	230.78
7	122.0	19.0	72.42
8	150.0	36.0	296.34
9	168.0	16.0	334.05
10	285.0	34.0	265.54

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1
2	0.5	0.749

Antenna Monitor: POTOMAC INSTRUMENTS AM-1901

Sampling System Approved Under Section 73.68 of the Rules.

Special operating conditions or restrictions:

- 1 The permittee/licensee in coordination with other users of the site must reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.
- 2 Ground System Description:  
Ground system consists of 120-54.6 meter buried copper radials about the base of N(#1) tower, 120-56.4 meter buried copper radials about the base of S(#2) tower. 15.2 meter square copper ground screen at base of each tower. Copper strap connects tower bases.
- 3 The licensee shall perform the measurements described in Section 73.155 at least once within every 24 month period.

\*\*\* END OF AUTHORIZATION \*\*\*